

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20070275470").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/03/25 17:40
S2	4880	duff-jan\$.in. breen-ed\$.in. hopwood-f\$.in. mueller-m\$. in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:40
S3	114	(proteome with systems). as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:40
S4	3	("20030049177"   "5359350"   "5997122"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/25 17:40
S5	3	("2003/0049177").URPN.	USPAT	OR	ON	2010/03/25 17:45
S6	34	("4251824"   "4313124"   "4335184"   "4345262"   "4394662"   "4459600"   "4463359"   "4510507"   "4558333"   "4631548"   "4639735"   "4723129"   "4740796"   "4832518"   "4969951"   "4985779"   "5083210"   "5173717"). PN. OR ("5997122").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/25 17:45
S7	28	("4104646"   "4437101"   "4464668"   "4491851"   "4520367"   "4661822"   "4897665"   "4990939"   "5146236"   "5172139"   "5204695"   "5260723"). PN. OR ("5359350").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/25 17:45
S8	50	(S5 S6 S7) and ((electric\$4 or volt\$4 or puls\$3) same (drop\$3 or micro\$drop\$3 or "jet" or micro\$jet\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2010/03/25 17:47
S9	7372	((optic\$3 or camera) same (detect\$4 or determin\$5 or observ\$5)) same ((electric \$4 or volt\$4 or puls\$3) same (drop\$3 or micro \$drop\$3 or "jet" or micro \$jet\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:52
S10	1032792	((optic\$3 or camera) same (detect\$4 or determin\$5 or observ\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:52

S11	542782	((electric\$4 or volt\$4 or puls\$3) same (drop\$3 or micro\$drop\$3 or "jet" or micro\$jet\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:52
S12	50	S8 AND S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:55
S13	11808	((optic\$3 or camera or image or imag\$3) same (detect\$4 or determin\$5 or observ\$5)) same ((electric\$4 or volt\$4 or puls\$3) same (drop\$3 or micro\$drop\$3 or "jet" or micro\$jet\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 17:59
S14	13134	(optic\$3 or camera or image or imag\$3) with (detect\$4 or determin\$5 or observ\$5) with (drop\$3 or micro\$drop\$3 or "jet" or micro\$jet\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:00
S15	631664	((electric\$5 or volt\$4) same puls\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:01
S16	5535	(S13 S14) and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:01
S17	866	S16 and (parameter same (angle size or angle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:03
S18	30557	(droplet or micro\$drop\$3) with (detect\$4 or imag\$3 or captur\$4)\	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:05
S19	166	S17 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:05
S20	7764	("flight angle" or stability) same (volt\$4) same (drop\$3 or micro\$drop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:15
S21	119	S18 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:15
S22	2	S19 and S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:15

S23	15	S21 and (parameter with control\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:17
S24	0	S21 and ("fine-tuned" or "fine-tuning" or (fine adj tun\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:20
S25	7604	((drop\$3 or micro\$drop\$4) with (creat\$3 or form\$3 or formation)) and (puls\$4 with (intens\$4 or magnitude or level)) and (voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:32
S26	2950	(feedback same control\$4 same (drop\$4 or micro\$drop\$4)) and ((feedback or control\$4) same (stability or characteristics or optimiz\$4 or optimiz\$6) same puls\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:39
S27	10	S26 and "422".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:40
S28	99	S26 and (control\$4 and (drop\$4 or micro\$drop\$4)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/03/25 18:42
S29	23148	(select\$4 or determin\$4) with ((pair or combination) with parameter\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:36
S30	1149	((select\$4 or determin\$4) with ((pair or combination) with parameter\$2)).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:36
S31	116	S30 and (repeat\$3).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:37
S32	27328	((fluid or liquid) and (dispens\$4 or pipett\$4 or droplet or micro\$drop\$4)).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:41
S33	17048	(select\$4 or determin\$6) with (optimiz\$6) with (parameter or voltage or duration)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:43
S34	49	S32 and S33	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:43
S35	942764	(select\$4 or determin\$6 or optimiz\$6) with (parameter or voltage or duration)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:46
S36	2573	S35 and S32	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:46

S37	662	S36 and (comparing or reference or compari\$3) same (voltage or duration)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:47
S38	267	S37 and (voltage same pulse)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:48
S39	662	S37 and S32	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:48
S40	2	S39 and S29	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:48
S41	6	S39 and (repeat\$4 with (combination or set or pair) with (parameter or voltage or duration))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 03:49
S42	3584	((droplet or micro\$drop\$3) and (dispens\$4 or eject\$4) and (automat\$4 or control \$4 or optimiz\$6)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/23 04:57
S43	319	S42 and (voltage with (modulat\$3 or puls\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/23 04:58
S44	83	S43 and (voltage same duration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/23 04:58
S45	1182855	(voltage or duration or parameter) with (set\$4 or choos\$4 or optimiz\$6 or select\$4 according)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/23 05:00
S46	62	S44 and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2010/04/23 05:00
S47	133305	((voltage or magnitude) with (puls\$5 or duration)) same (set\$4 or choos\$4 or optimiz\$6 or select\$4 according or adjust\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:16
S48	8883	("347" "422" "436" "73" "137").clas. and S47	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:16
S49	28450	((voltage or magnitude) and (puls\$5 or duration)).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:17
S50	639	S49 and (dispens\$4 or eject\$4 or pipet\$5 or nozzle or probe).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:18
S51	49	S50 and (repeat\$4 with until)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:19
S52	0	("2007/0273718").URPN.	USPAT	OR	ON	2010/04/23 05:24

S53	19	("3060429"   "4160257"   "4263601"   "4346387"   "4621268"   "5528046"   "5560543"   "5813614"   "5856836"   "5965446"   "6200013"   "6242266"   "6252129"   "6764720"   "6811090"   "7261386"   "7267420"   "7407249"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:26
S54	19	("4323908"   "4493993"   "4577203"   "4590482"   "4692777"   "4768045"   "4970534"   "4977459"   "5128690"   "5289207"). PN. OR ("5517217").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 05:57
S55	97898	(voltage) same (pulse with (tim\$3 or duration)) same (adjust\$4 or control\$4 or select\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 06:02
S56	13899	347/5,10,19,23.ccls. 73/1.36,1.74.ccls. 22/52. ccls. 700/28,32,37,89.ccls. 422/100,62.ccls. 436/55,180.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 06:20
S57	576	S55 and S56	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 06:21
S58	297	S57 and (optical or camera or ((drop\$3 or micro\$drop \$3) with detect\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2010/04/23 06:21

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